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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/722,925	11/26/2003	Hon Wang Leung	MCHK/143/US	1167

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EXAMINER

DAVIS, CASSANDRA HOPE

ART UNIT PAPER NUMBER

3611

DATE MAILED: 04/20/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/722,925

Applicant(s)

LEUNG HON

Examiner

Cassandra Davis

Art Unit

3611

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 January 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 2-9 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 9 is/are allowed.
- 6) ☒ Claim(s) 2-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. Claims 2-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schick, U. S. Patent 1,683,990 in view of Castle, U. S. Patent 403,037. Schick teaches a mechanical display apparatus comprising a casing 1, a plurality of parallel display elements 3 rotatably mounted within the casing, a weight or mass 14 operatively coupled to the display element such that the display element is actuated by an inertia controlled weight. The mechanism comprises ratchet 10, pawl 11 and lever 12 which is pivotally mounted bracket 13 and weight 14.

2. Castle teaches advertising device comprising a casing *a*, display element *c* rotatable mounted in the casing, a mass *g* attached to a spring arm *h* at one end, a driving gear *j* meshed with driven gears *k* and *l*. As the car moves, the motion causes the weighted spring arm to vibrate and engage the ratchet *l* to thereby rotating the driving gear *j* and thereby rotating gears *k* and *l* to rotated the display element. It would have been obvious to one having ordinary skill in the art at the time this invention was made to construct the weighted rotation mechanism taught by Schick with weight

mechanism taught by Castle to provide drive mechanism which is operated by jar and motion of the vehicle.

With respect to claim 7, Schick teaches a base 16 pivotally mounted to the casing. (See figures 1 and 2).

With respect to claim 2, Schick teaches the display device is polygonal in end elevation. (See lines 59-63). Since the applicant does not disclose that display devices with a triangular cross section solves any stated problem or is for any particular purpose, it appears that constructing the polygonal cross section of the display element having any suitable number of side as taught by Schick would perform equally well.

With respect to claims 3, Schick teaches a plurality of gears 7-9 connecting one end of the display element such that rotation of one display element causes rotation of the other elements.

3. Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over Schick in view of Castle, as applied to claim 1 above, and in further view of Cohen, U. S. Patent 4,449,167.

With respect to claim 8, Schick teaches the base 16 of the casing bolted to the interior of the vehicle. (See figures 1 and 2). Cohen teaches an adjustable vehicle safety light secured to the interior of a vehicle using doubled side adhesive tape 40. It would have been obvious to one having ordinary skill in the art at the time this invention was made to construct the display device taught by Schick and Castle secured to the inside of a vehicle using double side tape as taught by Cohen to provide a means to secure the device with the vehicle without permanently damaging the vehicle by drilling a hole.

Allowable Subject Matter

4. Claim 9 is allowed.

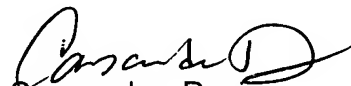
Response to Arguments

5. Applicant's arguments with respect to claims 4 and 6 have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cassandra Davis whose telephone number is 571-272-6642. The examiner can normally be reached on Monday-Friday 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lesley Morris can be reached on 571-272-6651. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Cassandra Davis
Primary Examiner
Art Unit 3611